

REMARKS

Claims 1-29 are pending in the application. Claims 1, 5, 9, 20, and 24 are independent. By the foregoing Amendment claims 1 and 5 have been amended, claims 9-29 have been added, and the Specification has been amended. These changes are believed to introduce no new matter and their entry is respectfully requested.

Objection to the Specification

In paragraph 2 of the Office Action, the Examiner objected to the Specification because of formalities. By the foregoing Amendment, Applicants have amended the Specification to accommodate the Examiner. Accordingly, Applicants respectfully request that the Examiner reconsider and remove the objection.

Rejection of Claims 1-8 Under 35 U.S.C. §112, First Paragraph

In paragraph 4 of the Office Action, the Examiner rejected claims 1-8 under 35 U.S.C. §112, first paragraph, as containing subject matter that was not described in the Specification in such a way as to enable a person of ordinary skill in the art to make and use the invention. By the foregoing Amendment, Applicants have amended the Specification to accommodate the Examiner. Accordingly, Applicants respectfully request that the Examiner reconsider and remove the rejection.

Rejection of Claims 1-2, 4-6, and 8 Under 35 U.S.C. §102(b)

In paragraph 6 of the Office Action, the Examiner rejected claims 1-2, 4-6, and 8 and under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,953,685 to Bogin et al. (hereinafter “Bogin”). A claim is anticipated only if each and every element of the claim is found in a reference. (M.P.E.P. § 2131 *citing Verdegaal Bros. v. Union Oil Co. of California*, 814 F.2d 628 (Fed. Cir. 1987)). The identical invention must be shown in as complete detail as is contained in the claim. *Id.*, *citing Richardson v. Suzuki Motor Co.*, 868 F.2d 1226,1236 (Fed. Cir. 1989)). Applicants respectfully traverse the rejection.

Independent claim 1 recites in pertinent part “***increasing the bandwidth or number of accesses allocated*** to the processor to a percentage higher than the original percentage of

bandwidth or number of accesses allocated *when accesses to memory by the processor are less than the original* percentage of bandwidth or number of accesses *allocated* to the processor ; and *decreasing the bandwidth or number of accesses allocated* to the processor to a percentage lower than an original bandwidth or number of accesses allocated *when accesses to memory by the processor are more than the original* percentage of bandwidth or number of accesses *allocated* to the processor ” (emphasis added). These elements are not disclosed in Bogin. Applicants respectfully submit therefore that Bogin fails to teach the identical invention recited in amended claim 1 and thus fails to anticipate claim 1. Because Bogin fails to teach the identical invention recited in claim 1, Applicants respectfully submit that claim 1 is patentable over Bogin.

Claims 2 and 4 properly depend from claim 1. Accordingly, Applicant respectfully submits that claims 2 and 4 are patentable over Bogin for at least the same reasons that claim 1 is patentable over Bogin . (MPEP §2143.03 (citing *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988)). Accordingly, Applicant respectfully requests that the Examiner reconsider and remove the rejection to claim 1-2 and 4.

Independent claim 5 recites in pertinent part” *increasing the bandwidth or number of accesses allocated* to the processor to a percentage higher than the original percentage of bandwidth or number of accesses allocated *when accesses to memory by the processor are less than the original* percentage of bandwidth or number of accesses allocated to the processor ; and *decreasing the bandwidth or number of accesses allocated* to the processor to a percentage lower than an original bandwidth or number of accesses allocated *when accesses to memory by the processor are more than the original* percentage of bandwidth or number of accesses allocated to the processor ” emphasis added. These elements are not disclosed in Bogin. Applicants respectfully submit therefore that Bogin fails to teach the identical invention recited in amended claim 5 and thus fails to anticipate claim 5. Because Bogin fails to teach the identical invention recited in claim 5, Applicants respectfully submit that claim 5 is patentable over Bogin.

Claims 6 and 8 properly depend from claim 5. Accordingly, Applicant respectfully submits that claims 6 and 8 are patentable over Bogin for at least the same reasons that claim 5 is patentable over Bogin . (MPEP §2143.03 (citing *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988))). Accordingly, Applicant respectfully requests that the Examiner reconsider and remove the rejection to claim 5-6 and 8.

Rejection of Claims 3 and 7 Under 35 U.S.C. §103(a)

In the Office Action, the Examiner rejected claims 3 and 7 under 35 U.S.C. §103(a) as being unpatentable over Bogin in view of U.S. Patent No. 6,021,076 to Woo et al. (hereinafter “Woo”). Applicants respectfully traverse the rejection.

Claim 3 properly depends from patentable claim 1 and claim 7 properly depends from patentable claim 5. Accordingly, Applicant respectfully submits that claims 3 and 7 are patentable over Bogin in view of Woo. (MPEP §2143.03 (citing *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988))). Accordingly, Applicant respectfully requests that the Examiner reconsider and remove the rejection to claim 3 and 7.

New Claims 9-29

By the foregoing Amendment, Applicants have added new claims 9-29. Support for the new claims can be found in Applicants’ Specification at paragraphs [0040], [0049], and [0050]. Applicants respectfully submit that neither Bogin nor Woo, either alone or in combination, teach or fairly suggest the subject matter of new claims 9-29 and that therefore new claims 9-29 are patentable over Bogin and Woo, either alone or in combination.

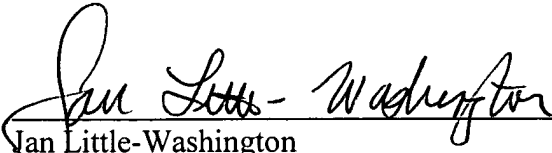
CONCLUSION

Applicants submit that all grounds for objection and rejection have been properly traversed, accommodated, or rendered moot, and that the application is now in condition for allowance. The Examiner is invited to telephone the undersigned representative if the Examiner believes that an interview might be useful for any reason.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 1/13/2006

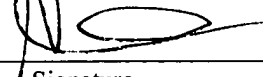

Jan Little-Washington
Reg. No.: 41,181
(206) 292-8600

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on January 13, 2006
Date of Deposit

Adrian Villarreal
Name of Person Mailing Correspondence

 January 13, 2006
Signature Date